

1. Product

 **Everlux®** Photoluminescent maritime safety signs.

2. Product Description

Photoluminescent rigid plastic, 1.2 mm thickness, antistatic surface and easy to clean.

3. Application


According to  **Everlux®** IMO catalogue, in chapter “Mounting Options”.

4. Fire reaction


The material has a good fire resistance and does not help to the propagation of fire, being classified as flame-retardant (in accordance to Norm IEC 60092-101).

The product satisfies the prescription relative to the IMO resolution A 653 (16) according to IMO FTPC code Resolution MSC.307(88), Annex 1. Part 5 and according to the rules II-2/3.8, II-2/34 e II-2/49 of International Agreement for safety of the Human Life in the Sea, 1974, in its amended form.

5. Photoluminescent properties


The  **Everlux®** products fully conform to the International norms, ISO 16069, IMO A.752 (18) Resolution and ISO 15370. When stimulated with 1000lux during 5 minutes, the photoluminescent characteristics are as follows:

Time after removing the exciting light (in minutes)	Luminescent intensity (mcd/m ²)
10 minutes	140
60 minutes	20
Luminescent intensity 100 times greater than the limit of human visibility	Period of light decay (minutes)
0.3 mcd/m ²	1800

According to the ISO 15370, in conditions of stimulation with 25lux during 24 hours and a fluorescent tube 8W-4100K, the  **Everlux®** products have the following photoluminescent properties:

Time after removing the exciting light (in minutes)	Luminescent intensity (mcd/m ²)
10 minutes	57
60 minutes	10.7
Luminescent intensity 100 times greater than the limit of human visibility	Period of light decay (minutes)
0.3 mcd/m ²	3000

6. Dimensions, Pictograms and Colours

The products are in conformity to  Everlux[®] catalogue and according to National and International Norms and Legislation.

7. Printing

Serigraphy: high quality gloss paint with UV resistance.

8. Cleanliness

The products do not require any particular attention, clean with a dry clean cloth or a cloth humidified with water (without detergents).


9. Guarantee


In normal conditions of mounting and adequate cleanness, the products have an indoor durability in excess of 5 years. For exterior applications, considering exposition to varying temperatures, humidity and other extreme environments, this guarantee can be diminished.

10. Health and safety

The product does not contain any radioactive substances. In toxic terms the product is considered as safe (European norm EN 71-3).

11. Quality and Certification

The  Everlux[®] product is certified by DNV according to MED (Council Directive 2014/90/EU and of the council of 23 July 2014 on marine equipment and repealing Council Directive 96/98/EC, Module B in the Directive), SOLAS 74 as amended, Regulation II-2/13 and FSS Code 11.

The quality of  Everlux[®] products is ensured by a rigorous process of quality control with tests in our own laboratory observing all applicable norms.


12. Legislation and Normative references

All of our signs are in conformity to the following standards and regulations:

- ISO 24409-1, 2 and 3
- ISO 16069
- EN ISO 7010
- ISO 3864-1,2,3 and 4
- ISO 17631
- ISO 15370
- ISO 14726
- DIN 67510-1

- IMO Resolution A.654 (16)
- IMO Resolution A.752 (18)
- IMO Resolution A.760 (18)
- IMO Resolution A.952 (23)
- IMO Resolution A.1116 (30)
- IMO POLAR Code
- Solas Convention 2004 chapter II-2 Reg. 13.3.2.5
- Solas Convention 2004 chapter II-2 Reg. 13.7.2.2
- Solas Convention 2004 chapter III-2 Reg. 9.2.3
- MARPOL Annex V, 2012 Revision
- ISPS Code 2003
- ICAO and IMO document 9636
- IMDG Code
- ISM Code
- European Commission Directive 2014/90/EU
- MERCHANT SHIPPING NOTICE - MSN 1874 (M+F)

13. Specificities

The  Everlux[®] signs for external environments or wet environments with the presence of water with strong acid or alkaline content (eg limestone, salt and chlorine) should be protected by a transparent anti-graffiti film. This film, besides the anti-vandalism features, provides effective protection to environmental aggressions (such as pollution, humidity, UV radiation and chemicals).